

Section 974

GUIDELINES FOR PORTLAND CEMENT CONCRETE MIX DESIGN TRIAL BATCHES**974.01 Objectives**

The objective in trial batching for concrete mix designs is to determine if the material that will be used meets requirements.

974.02 Quality Tests

Sand and aggregate intended for use by the contractor or supplier for the project must be tested and meet the gradation and quality tests as outlined in the Standard Specifications, Section 03055 or applicable Special Provision..

974.03 Materials for Mix Design

Use the same components in the mix design trial batches that are to be used in the project. Accelerators and site-added air-entrainment can be incorporated in the trial batch but are not required. All materials must meet Standard Specifications, Section 03055 or applicable Special Provision.

974.05 Batching Procedure

A Department TTQP Qualified (Concrete Testing Technician and Concrete Strength Testing Technician) representative may witness the trial batch procedure.

Laboratory trial batches will be batched and mixed in accordance with AASHTO R 39; Making and Curing Concrete Test Specimens in the Laboratory.

Trial batches performed outside a laboratory will be batched and mixed in accordance with AASHTO M 157; Ready-Mixed Concrete.

974.06 Testing Procedure

Test in accordance with the applicable Standard Specification, Special Provision, and Minimum Sampling and Testing Requirements.